SEQUENCE LISTING

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<110> Myriad Genetics, Inc.
         Shattuck, Donna
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         Russell, Deanna
         Abkevich, Victor
         Neff, Chris
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1145		

- ggt gag ctt ctt cat ttg tgt gct ccg ctt tca gaa gga gct 3519
- 5 Gly Glu Leu Leu His Leu Cys Ala Pro Leu Ser Glu Glu Gly Ala 1160 1165 1170
  - gct acc cat gga ggc tgg gtg act gac ctt tgc ttt tct cca gat 3564
- 10 Ala Thr His Gly Gly Trp Val Thr Asp Leu Cys Phe Ser Pro Asp 1175 1180 1185
  - ggc aaa atg ctt atc tct gct gga gga tat att aag tgg tgg aac 3609
- 15 Gly Lys Met Leu Ile Ser Ala Gly Gly Tyr Ile Lys Trp Trp Asn 1190 1195 1200
  - gtt gtc act ggg gaa tcc tca cag acc ttc tac aca aat gga acc 3654
- 20 Val Val Thr Gly Glu Ser Ser Gln Thr Phe Tyr Thr Asn Gly Thr 1205 1210 1215
  - aat ctt aag aaa ata cac gtg tcc cct gac ttc aaa aca tat gtg 3699
- 25 Asn Leu Lys Lys Ile His Val Ser Pro Asp Phe Lys Thr Tyr Val 1220 1225 1230
  - act gtg gat aat ctt ggt att tta tat att tta cag act tta gaa 3744
- 30 Thr Val Asp Asn Leu Gly Ile Leu Tyr Ile Leu Gln Thr Leu Glu 1235 1240 1245

## Attorney Docket No. 1309.05 taa <210> 2 5 <211> PRT <212> <213> Homo sapiens <400> 2 Met Asp Ala Lys Ala Arg Asn Cys Leu Leu Gln His Arg Glu Ala Leu Glu Lys Asp Ile Lys Thr Ser Tyr Ile Met Asp His Met Ile Ser Asp Gly Phe Leu Thr Ile Ser Glu Glu Glu Lys Val Arg Asn Glu Pro Thr Gln Gln Gln Arg Ala Ala Met Leu Ile Lys Met Ile Leu Lys Lys Asp Asn Asp Ser Tyr Val Ser Phe Tyr Asn Ala Leu Leu His Glu Gly Tyr Lys Asp Leu Ala Ala Leu Leu His Asp Gly Ile Pro Val Val Ser Ser

101110						_		<b>01</b> 5	Gln.	Lvs	Leu	Ser	Lys	Leu	Lys
Δra	Lvs	Lys	Leu	Val	Asn	Ala	TTe	GIII	G111	2,2					
Ar 9	_1_	- 4				135					140				
	130					135									

- Gly Glu Pro Gly Trp Val Thr Ile His Gly Met Ala Gly Cys Gly Lys
  5 145 150 155 160
  - Ser Val Leu Ala Ala Glu Ala Val Arg Asp His Ser Leu Leu Glu Gly
    165 170 175
- 10 Cys Phe Pro Gly Gly Val His Trp Val Ser Val Gly Lys Gln Asp Lys
  180 185 190
  - Ser Gly Leu Leu Met Lys Leu Gln Asn Leu Cys Thr Arg Leu Asp Gln
    195 200 205
- Asp Glu Ser Phe Ser Gln Arg Leu Pro Leu Asn Ile Glu Glu Ala Lys 210
- Asp Arg Leu Arg Ile Leu Met Leu Arg Lys His Pro Arg Ser Leu Leu 240
  - Ile Leu Asp Asp Val Trp Asp Ser Trp Val Leu Lys Ala Phe Asp Ser 255
- 25 Gln Cys Gln Ile Leu Leu Thr Thr Arg Asp Lys Ser Val Thr Asp Ser 260 265 270
  - Val Met Gly Pro Lys Tyr Val Val Pro Val Glu Ser Ser Leu Gly Lys
    275 280 285
- Glu Lys Gly Leu Glu Ile Leu Ser Leu Phe Val Asn Met Lys Lys Ala
  290 295 300

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Asp Leu Pro Glu Gln Ala His Ser Ile Ile Lys Glu Cys Lys Gly Ser  305 310 315
Pro Leu Val Val Ser Leu Ile Gly Ala Leu Leu Arg Asp Phe Pro Asn 335
Arg Trp Glu Tyr Tyr Leu Lys Gln Leu Gln Asn Lys Gln Phe Lys Arg 340 345
10 Ile Arg Lys Ser Ser Ser Tyr Asp Tyr Glu Ala Leu Asp Glu Ala Met 355 360 365
Ser Ile Ser Val Glu Met Leu Arg Glu Asp Ile Lys Asp Tyr Tyr Thr 370 375
Asp Leu Ser Ile Leu Gln Lys Asp Val Lys Val Pro Thr Lys Val Leu 395 385
Cys Ile Leu Trp Asp Met Glu Thr Glu Glu Val Glu Asp Ile Leu Gln 405 410 415
Glu Phe Val Asn Lys Ser Leu Leu Phe Cys Asp Arg Asn Gly Lys Ser 420 425 430
25 Phe Arg Tyr Tyr Leu His Asp Leu Gln Val Asp Phe Leu Thr Glu Lys 435 440 445
Asn Cys Ser Gln Leu Gln Asp Leu His Lys Lys Ile Ile Thr Gln Phe 450 455 460
30 Gln Arg Tyr His Gln Pro His Thr Leu Ser Pro Asp Gln Glu Asp Cys 480 465

Attorne	y Dock	<u> </u>							•	34 a b	λla	Ser	Ala	Lys	Met
Mot	ጥነታ	Tro	Tyr	Asn	Phe	Leu	Ala	Tyr	His	Met	Ala	502	••	405	
Mec	1 7 1		- 2	485					490					495	
				100											

- His Lys Glu Leu Cys Ala Leu Met Phe Ser Leu Asp Trp Ile Lys Ala 500
  - Lys Thr Glu Leu Val Gly Pro Ala His Leu Ile His Glu Phe Val Glu 515
- 10 Tyr Arg His Ile Leu Asp Glu Lys Asp Cys Ala Val Ser Glu Asn Phe 530 535
  - Gln Glu Phe Leu Ser Leu Asn Gly His Leu Leu Gly Arg Gln Pro Phe 545 550 550 560
- Pro Asn Ile Val Gln Leu Gly Leu Cys Glu Pro Glu Thr Ser Glu Val
  565
- Tyr Gln Gln Ala Lys Leu Gln Ala Lys Gln Glu Val Asp Asn Gly Met
  580 585
  - Leu Tyr Leu Glu Trp Ile Asn Lys Lys Asn Ile Thr Asn Leu Ser Arg
- 25 Leu Val Val Arg Pro His Thr Asp Ala Val Tyr His Ala Cys Phe Ser 610 615
  - Glu Asp Gly Gln Arg Ile Ala Ser Cys Gly Ala Asp Lys Thr Leu Gln 625
- Val Phe Lys Ala Glu Thr Gly Glu Lys Leu Leu Glu Ile Lys Ala His
  655

Attorney D	ocket No.	<u>1309.05</u>
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Auome	y Dock	<u>, , , , , , , , , , , , , , , , , , , </u>				C a	בות	Phe	Ser	Thr	Asp	Asp	Arg 670	Phe	Ile
Glu	Asp	Glu	Val	Leu	CAR	Cys	AIG	665					670		
			660					665							

- Ala Thr Cys Ser Val Asp Lys Lys Val Lys Ile Trp Asn Ser Met Thr 685
  - Gly Glu Leu Val His Thr Tyr Asp Glu His Ser Glu Gln Val Asn Cys
    690 695
- 10 Cys His Phe Thr Asn Ser Ser His His Leu Leu Leu Ala Thr Gly Ser 705 710 715 720
  - Ser Asp Cys Phe Leu Lys Leu Trp Asp Leu Asn Gln Lys Glu Cys Arg
- Asn Thr Met Phe Gly His Thr Asn Ser Val Asn His Cys Arg Phe Ser 740
- Pro Asp Asp Lys Leu Leu Ala Ser Cys Ser Ala Asp Gly Thr Leu Lys

  760
  765
  - Leu Trp Asp Ala Thr Ser Ala Asn Glu Arg Lys Ser Ile Asn Val Lys
    770 780
- 25 Gln Phe Phe Leu Asn Leu Glu Asp Pro Gln Glu Asp Met Glu Val Ile 785 790 795 800
  - Val Lys Cys Cys Ser Trp Ser Ala Asp Gly Ala Arg Ile Met Val Ala 815
- Ala Lys Asn Lys Ile Phe Leu Phe Asp Ile His Thr Ser Gly Leu Leu
  820
  825

Attorney Docket No. 1309.05	
Attorney Docket No. 1307.50  Gly Glu Ile His Thr Gly His His Ser Thr Ile Gln Tyr Cys Asp Phe  845	
845 835	
Ser Pro Gln Asn His Leu Ala Val Val Ala Leu Ser Gln Tyr Cys Val	
855	
5 850	
Glu Leu Trp Asn Thr Asp Ser Arg Ser Lys Val Ala Asp Cys Arg Gly	
870	
865	
10 His Leu Ser Trp Val His Gly Val Met Phe Ser Pro Asp Gly Ser Ser	
10 His Leu Ser Tip val His 397 895	
Phe Leu Thr Ser Ser Asp Asp Gln Thr Ile Arg Leu Trp Glu Thr Lys	
Phe Leu III SCI 552 1 2 910 910	
15 Lys Val Cys Lys Asn Ser Ala Val Met Leu Lys Gln Glu Val Asp Val 925	
920	
915	
Val Phe Gln Glu Asn Glu Val Met Val Leu Ala Val Asp His Ile Arg	
935	
20 930	
Arg Leu Gln Leu Ile Asn Gly Arg Thr Gly Gln Ile Asp Tyr Leu Thr	
950	
945	
25 Glu Ala Gln Val Ser Cys Cys Cys Leu Ser Pro His Leu Gln Tyr Ile	)
25 Glu Ala Gin var Ser 975 975	
Ala Phe Gly Asp Glu Asn Gly Ala Ile Glu Ile Leu Glu Leu Val As	n
990 985 990	
30 Asn Arg Ile Phe Gln Ser Arg Phe Gln His Lys Lys Thr Val Trp	
***	
His 1000	

- Ile Gln Phe Thr Ala Asp Glu Lys Thr Leu Ile Ser Ser Ser Asp 1010
- 5 Asp Ala Glu Ile Gln Val Trp Asn Trp Gln Leu Asp Lys Cys Ile 1025 1030
  - Phe Leu Arg Gly His Gln Glu Thr Val Lys Asp Phe Arg Leu Leu 1040
- 10
- Lys Asn Ser Arg Leu Leu Ser Trp Ser Phe Asp Gly Thr Val Lys 1055
- Val Trp Asn Ile Ile Thr Gly Asn Lys Glu Lys Asp Phe Val Cys
  15 1070 1075 1080
  - His Gln Gly Thr Val Leu Ser Cys Asp Ile Ser His Asp Ala Thr 1085
- 20 Lys Phe Ser Ser Thr Ser Ala Asp Lys Thr Ala Lys Ile Trp Ser 1100
  - Phe Asp Leu Leu Pro Leu His Glu Leu Arg Gly His Asn Gly
    1115 1120 1125
- 25
- Cys Val Arg Cys Ser Ala Phe Ser Val Asp Ser Thr Leu Leu Ala
- Thr Gly Asp Asp Asn Gly Glu Ile Arg Ile Trp Asn Val Ser Asn 30 1145 1150
  - Gly Glu Leu Leu His Leu Cys Ala Pro Leu Ser Glu Glu Gly Ala 1160 1165 1170

Ala Thr His Gly Gly Trp Val Thr Asp Leu Cys Phe Ser Pro Asp 1175 1180
5 Gly Lys Met Leu Ile Ser Ala Gly Gly Tyr Ile Lys Trp Trp Asn 1190
Val Val Thr Gly Glu Ser Ser Gln Thr Phe Tyr Thr Asn Gly Thr 1205 1210
Asn Leu Lys Lys Ile His Val Ser Pro Asp Phe Lys Thr Tyr Val
Thr Val Asp Asn Leu Gly Ile Leu Tyr Ile Leu Gln Thr Leu Glu 1245 15 1235
<210> 3 <211> 438 <212> PRT  20 <213> Homo sapiens
<pre>&lt;400&gt; 3 Met Asp Ala Lys Ala Arg Asn Cys Leu Leu Gln His Arg Glu Ala Leu 15 1</pre>
Glu Lys Asp Ile Lys Thr Ser Tyr Ile Met Asp His Met Ile Ser Asp 25 20 25
Gly Phe Leu Thr Ile Ser Glu Glu Glu Lys Val Arg Asn Glu Pro Thr  45 30 35
Gln Gln Gln Arg Ala Ala Met Leu Ile Lys Met Ile Leu Lys Lys Asp 50 55

Asn Asp Ser Tyr Val Ser Phe Tyr Asn Ala Leu Leu His Glu Gly Tyr 80
5 Lys Asp Leu Ala Ala Leu Leu His Asp Gly Ile Pro Val Val Ser Ser 85
Ser Ser Gly Lys Asp Ser Val Ser Gly Ile Thr Ser Tyr Val Arg Thr 100 105 110
Val Leu Cys Glu Gly Val Pro Gln Arg Pro Val Val Phe Val Thr 115
Arg Lys Lys Leu Val Asn Ala Ile Gln Gln Lys Leu Ser Lys Leu Lys 130 130
Gly Glu Pro Gly Trp Val Thr Ile His Gly Met Ala Gly Cys Gly Lys 145 150 155
20 Ser Val Leu Ala Ala Glu Ala Val Arg Asp His Ser Leu Leu Glu Gly 175
Cys Phe Pro Gly Gly Val His Trp Val Ser Val Gly Lys Gln Asp Lys 180 185
Ser Gly Leu Leu Met Lys Leu Gln Asn Leu Cys Thr Arg Leu Asp Gln 200 205
Asp Glu Ser Phe Ser Gln Arg Leu Pro Leu Asn Ile Glu Glu Ala Lys 30 210 215 220
Asp Arg Leu Arg Ile Leu Met Leu Arg Lys His Pro Arg Ser Leu Leu 230 235 240

Ile Leu Asp Asp Val Trp Asp Ser Trp Val Leu Lys Ala Phe Asp Ser  245 250 255
5 Gln Cys Gln Ile Leu Leu Thr Thr Arg Asp Lys Ser Val Thr Asp Ser 260 265
Val Met Gly Pro Lys Tyr Val Val Pro Val Glu Ser Ser Leu Gly Lys 275 280
Glu Lys Gly Leu Glu Ile Leu Ser Leu Phe Val Asn Met Lys Lys Ala 290 295
Asp Leu Pro Glu Gln Ala His Ser Ile Ile Lys Glu Cys Lys Gly Ser 320 335
Pro Leu Val Val Ser Leu Ile Gly Ala Leu Leu Arg Asp Phe Pro Asn 335
20 Arg Trp Glu Tyr Tyr Leu Lys Gln Leu Gln Asn Lys Gln Phe Lys Arg 340 345
Ile Arg Lys Ser Ser Ser Tyr Asp Tyr Glu Ala Leu Asp Glu Ala Met 365
25 Ser Ile Ser Val Glu Met Leu Arg Glu Asp Ile Lys Asp Tyr Tyr Thr 370 375
Asp Leu Ser Ile Leu Gln Lys Asp Val Lys Val Pro Thr Lys Val Leu 30 385 390 395
Cys Ile Leu Trp Asp Met Glu Thr Glu Glu Val Glu Asp Ile Leu Gln 405 410 415

Glu Phe Val Asn Lys Ser Leu Leu Phe Cys Asp Arg Asn Gly Lys Ser

5 Phe Ser Leu Leu Phe Thr 435

10